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PATENTED APR. 9, 1907.

A. H. HANDLAN, JR.

LAMP BURNER.

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Fig. I.

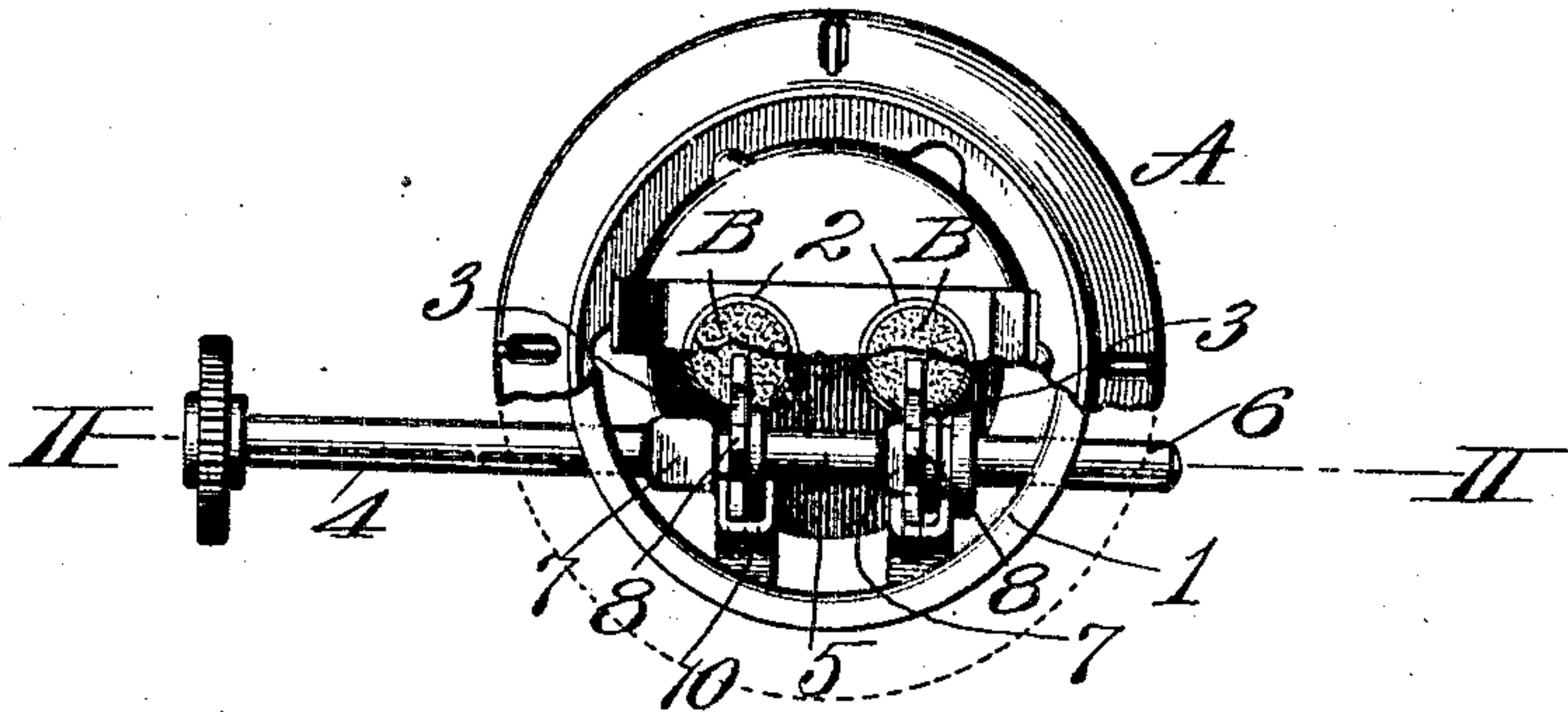


Fig. II.

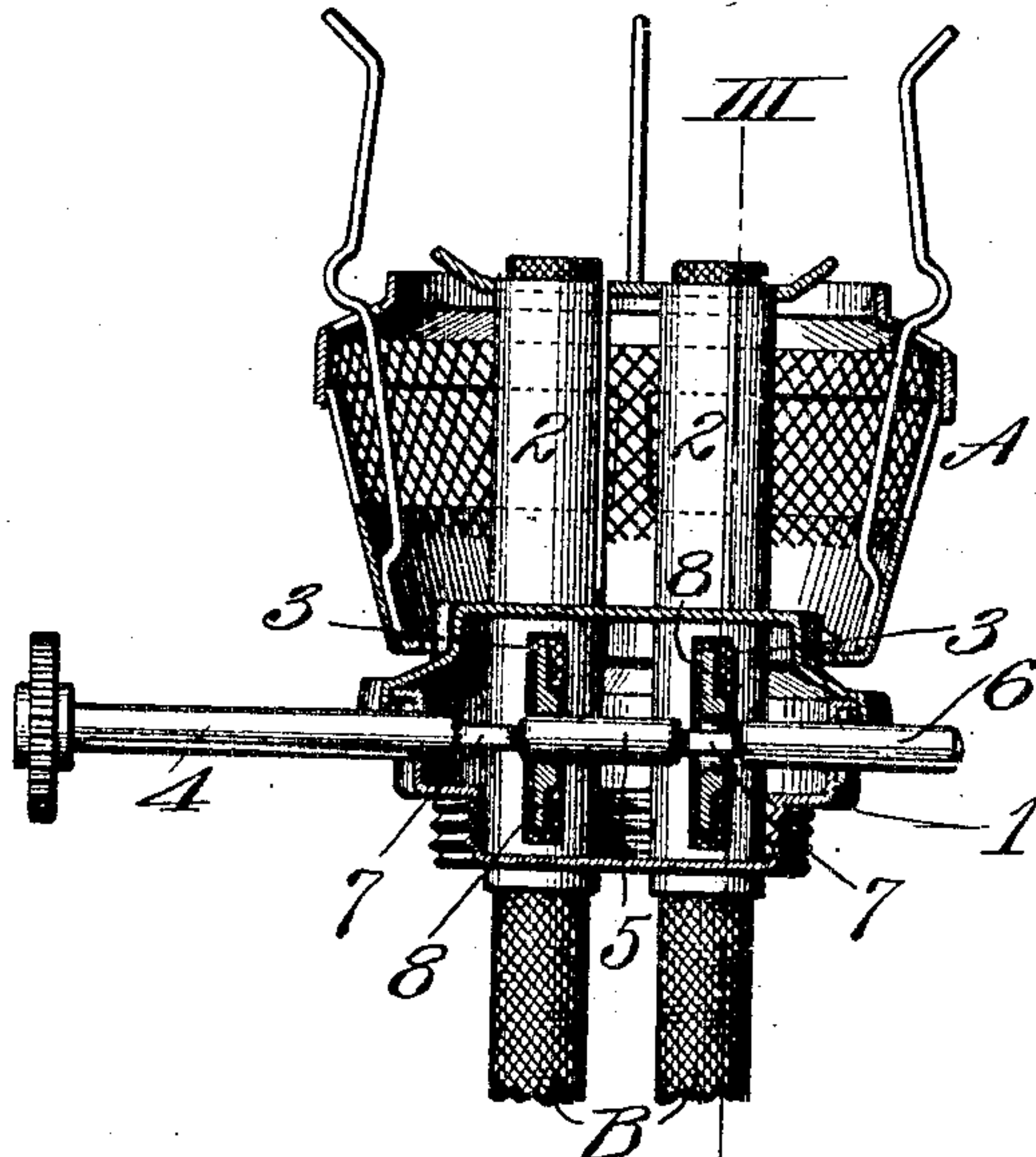
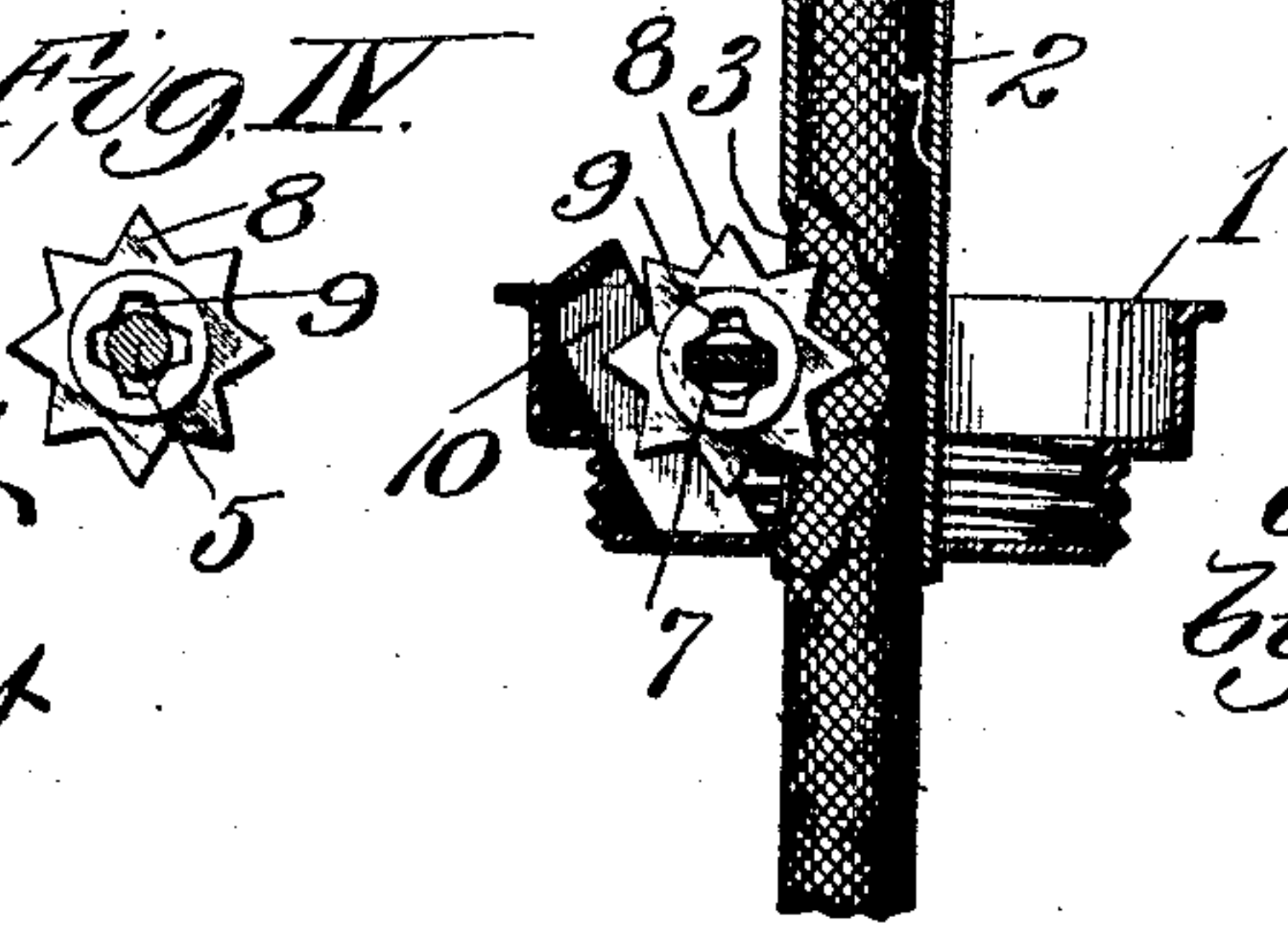


Fig. III.

Fig. IV.

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ALEXANDER H. HANDLAN, JR., OF ST. LOUIS, MISSOURI.

LAMP-BURNER.

No. 849,679.

Specification of Letters Patent.

Patented April 9, 1907.

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To all whom it may concern:

Be it known that I, ALEXANDER H. HANDLAN, Jr., a citizen of the United States of America, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Lamp-Burners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to wick-raising means for multiple - wick lamp - burners so constructed that either of the wicks may be raised and lowered independently of the other wick.

Figure I is a plan view of my burner with the burner-body partly broken away to illustrate the wick-raising means. Fig. II is a vertical section taken on line II II, Fig. I. Fig. III is a vertical section taken on line III III, Fig. II. Fig. IV is a view in detail showing the shaft of the wick-raising means in elevation and one of the spur-wheels in inoperative position on said shaft.

A designates the body of my burner, which includes a base member 1 and for which no invention *per se* is herein claimed.

2 are wick-tubes that are seated in the base member 1 and extend upwardly in the remainder of the burner-body. These tubes, which are preferably two in number, have in their walls vertical slots 3.

4 designates the shaft of the wick-raising means, which is loosely mounted in a horizontal position in the base member of the burner and is provided with circular portions 5 and 6 and adjoining non-circular portions 7, the latter of which are preferably of flat form.

8 are spur-wheels containing non-circular central apertures 9 and in which the shaft 4 is loosely fitted. The spur-wheels are so located that they enter into the slots in the wick-tubes and engage the wicks B therein.

10 are guards, preferably of U shape, which are fixed to the base member of the burner-body and straddle the spur-wheels 8 for the purpose of restraining the spur-wheels from movement transversely of the wick-tubes in order that they will continually coincide with the slots in said tubes.

In the use of my wick-raising means the wick in either wick-tube may be raised or lowered independently of the other wick for proper adjustment by shifting the shaft 4 longitudinally in the base member of the

burner-body, whereby when the non-circular portion of said shaft is moved into either of the spur-wheels 8 for operation thereof to adjust the wick a circular portion of the shaft will be moved into the other spur-wheel, and the shaft will rotate idly in said last-named wheel while the first-mentioned wick is being adjusted. If it is then desired to adjust the other wick the shaft is shifted longitudinally to cause a non-circular portion of the shaft to enter the second spur-wheel and a circular portion of the shaft to enter the first-named wheel, so that the second wheel will be turned for wick-adjusting action, while the first-mentioned wheel will remain idle.

I claim—

1. In a lamp-burner, the combination with a burner-body and a plurality of wick-tubes of wick raising and lowering means, comprising wick-adjusting members independent of each other entering into said wick-tubes and a shaft rotatably and longitudinally shiftably mounted in said body passing through said members and having portions adapted to engage said members or operate freely therein, substantially as set forth.

2. In a lamp-burner, the combination with a burner-body and a plurality of wick-tubes of wick raising and lowering means, comprising wick-adjusting members independent of each other entering into said tubes and containing non-circular apertures and a shaft rotatably and longitudinally shiftably mounted in said body passing through said members and having portions adapted to engage said members or operate freely therein, substantially as set forth.

3. In a lamp-burner, the combination with a burner-body and a plurality of wick-tubes of wick raising and lowering means, comprising a plurality of spur-wheels independent of each other entering into said tubes and containing non-circular apertures and a shaft rotatably and longitudinally shiftably mounted in said body passing through said spur-wheels and having portions adapted to engage said spur-wheels or operate freely therein, substantially as set forth.

4. In a lamp-burner, the combination with a burner-body and a plurality of wick-tubes of wick raising and lowering means comprising a plurality of spur-wheels independent of each other entering into said tubes and containing non-circular apertures and a shaft rotatably and longitudinally shiftably mounted in said body and having circular and non-cir-

cular portions adapted to enter said spur-wheels, substantially as set forth.

5 5. In a lamp-burner, the combination with a burner-body and a plurality of wick-tubes of wick raising and lowering means, comprising wick-adjusting members independent of each other entering into said wick-tubes and a shaft rotatably and longitudinally shiftably mounted in said body passing through said
10 members and having portions adapted to engage said members or operate freely therein and guards for restraining said adjusting members from movement longitudinal of said shaft, substantially as set forth.

15 6. In a lamp-burner, the combination with

a burner-body and a plurality of wick-tubes of wick raising and lowering means comprising a plurality of spur-wheels independent of each other entering into said tubes and containing non-circular apertures and a shaft rotatably and longitudinally shiftably mounted in said body and having circular and non-circular portions adapted to enter said spur-wheels and guards for restraining said spur-wheels from movement longitudinal of said shaft, substantially as set forth. 20 25

ALEXANDER H. HANDLAN, JR.

In presence of—
E. S. KNIGHT,
LILY ROST.